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GST : 29ABKFA2728C1ZL | Ph : 080 4850 5583 | Mob : 7619275129

Test Report of Coarse Aggregate

IS: 383-2016, IS: 2386 (Part-1, 3 & 4)-1963 | Date: 04.08.2023

Name of Work:Comprehensive Developments and Improvements Works To Drain, Footpath, Parks and Building in Bamboo Bazar, Kumbaragundi, Kalasipalya, and Surrounding area in Ward No.119 Chickpet Assembly Constituency (Package-04)

Client	Assistant Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore.
Contractor	Sri B B Umesha Contractor
Customer Reference	EE(Project)YNK Zone/WO/14/2022-23
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Sample Type	Coarse Aggregate
Date of Test	04.08.2023

Sieve Analysis (Particle Size Distribution) of 20mm Down Coarse Aggregate

Total wt of the sample (gms): 5000

IS Sieve size (mm)	Weight retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Specifcations as per IS: 383-2016
40	0	0	0.0	100	100
20	180	180	3.6	96.4	90-100
10	2489	2669	53.4	46.6	20-55
4.75	1871	4540	90.8	9.2	0-10

Remarks : Test result found Satisfactory

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ಯೋಜನಾ ವಿಭಾಗ, ಯಲಹಂಕ ವಲಯ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಮೈಸೂರಾಯನಪುರ,
ಬೆಂಗಳೂರು - 560092.

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Test Report of Fine Aggregate

IS: 383-2016, IS: 2386 (Part-1, 3)-1963 (Reaffirmed-2012) Date: 04.08.2023

Name of Work: Package No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other development works to ISRO layout park , Vishweshwarayya park, Raj kumar park , Sri Saibaba park Yelahanka assembly Constituency under Amrutha Nagarothana Grants

Client	Assistant Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore.
Contractor	Sri B B Umesha Contractor
Customer Reference	EE(Project)YNK Zone/WO/14/2022-23
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Sample Type	Fine Aggregate
Date of Test	04.08.2023

Total wt of the sample (gms): 1000

IS Sieve size	Weight retained (gm)	Cumulative Weight Retained	Cumulative % of Retained	Cumulative % of Passing	Specifcations as per IS: 383-2016 Grading Zone-1	Grading Zone-2	Grading Zone-3	Grading Zone-4
10	0	0	0.0	100	100	100	100	100
4.75	74	74	7.4	92.6	90-100	90-100	90-100	95-100
2.36	140	214	21.4	78.6	60-95	75-100	85-100	95-100
1.18	162	376	37.6	62.4	30-70	55-90	75-100	90100
600	153	529	52.9	47.1	15-34	35-59	60-79	80-100
300	237	766	76.6	23.4	5-20	8-30	12-40	15-50
150	168	934	93.4	6.6	0-10	0-10	0-10	0-15

Result: Test result found Satisfactory

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Test Report of Cement Concrete Cubes

IS 15658: 2021 (Test method for Paver Blocks) | Date :15.11.2023

Name of Work : Package No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other development works to ISRO layout park , Vishweshwarayya park, Raj kumar park , Sri Saibaba park Yelahanka assembly Constituency under Amrutha Nagarothana Grants

Client	Assistant Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore.
Contractor	Sri B B Umesha Contractor
Customer Reference	EE(Project)YNK Zone/WO/14/2022-23
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Date of receipt	14.11.2023
Sample Type	Walking Path
Sample Type/ Size	Paver Blocks
Sample Grade / Age	NA
Date of Test	15.11.2023
Location	

Sl NO.	Identification Mark	Date of casting	Date of Testing	Thickness mm	Cross sectional Area Sq. mm	Maximum Load in KN	Compressive Strength N/mm²	Average Compressive Strength N/mm²	Requirement as Specification
1	1	14.11.2023	15.11.2023	60.14	40000	1150.1	28.75	28.92	Maximum required compressive strength of individual units 281 Kg/m²
2	2	14.11.2023	15.11.2023	60.16	40000	1163.4	29.08		

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Test Report of Cement Concrete Cubes

IS: 516-1959 (Method of tests for strength of Concrete) | Date :16/09/2023

Name of Work : Package No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other development works to ISRO layout park , Vishweshwarayya park, Raj kumar park , Sri Saibaba park Yelahanka assembly Constituency under Amrutha Nagarothana Grants

Client	Assistant Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore.
Contractor	Sri B B Umesha Contractor
Customer Reference	EE(Project)YNK Zone/WO/14/2022-23
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Date of receipt	22.08.2023
Sample Type	CC Drain wall Concrete
Sample Type/ Size	150x150x150 mm
Sample Grade / Age	M20/ 7 Days Compressive Strength
Date of Test	18.09.2023
Location	

Sl NO.	Identification Mark	Grade of Concrete	Date of casting	Date of Testing	Dimenssion of Specification mm	Cross sectional Area Sq. mm	Maximum Load in KN	Compressive Strength N/mm²	Average Compressive Strength N/mm²
1	CC Drain Raft Concrete	M20	21.08.2023	18.09.2023	150x150x150	22500	504.4	22.42	22.51
2	CC Drain Raft Concrete	M20	21.08.2023	18.09.2023	150x150x150	22500	506.1	22.49	
3	CC Drain Raft Concrete	M20	21.08.2023	18.09.2023	150x150x150	22500	508.7	22.61	

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Test Report of Cement Concrete Cubes

IS: 516-1959 (Method of tests for strength of Concrete) | Date :28/08/2023

Name of Work : Package No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other development works to ISRO layout park , Vishweshwarayya park, Raj kumar park , Sri Saibaba park Yelahanka assembly Constituency under Amrutha Nagarothana Grants

Client	Assistant Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore.
Contractor	Sri B B Umesha Contractor
Customer Reference	EE(Project)YNK Zone/WO/14/2022-23
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Date of receipt	22.08.2023
Sample Type	CC Drain Wall Concrete
Sample Type/ Size	150x150x150 mm
Sample Grade / Age	M20/ 7 Days Compressive Strength
Date of Test	28.08.2023
Location	

Sl NO.	Identification Mark	Grade of Concrete	Date of casting	Date of Testing	Dimenssion of Specification mm	Cross sectional Area Sq. mm	Maximum Load in KN	Compressive Strength N/mm²	Average Compressive Strength N/mm²
1	CC Drain Raft Concrete	M20	21.08.2023	28.08.2023	150x150x150	22500	342.5	15.22	15.26
2	CC Drain Raft Concrete	M20	21.08.2023	28.08.2023	150x150x150	22500	343.7	15.28	
3	CC Drain Raft Concrete	M20	21.08.2023	28.08.2023	150x150x150	22500	344.1	15.29	

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Est.Cost Rs 950.00 Lakhs

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Test Report of Cement Concrete Cubes

IS: 516-1959 (Method of tests for strength of Concrete) | Date :16/09/2023

Name of Work : Package No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other development works to ISRO layout park , Vishweshwarayya park, Raj kumar park , Sri Saibaba park Yelahanka assembly Constituency under Amrutha Nagarothana Grants

Client	Assistant Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore.
Contractor	Sri B B Umesha Contractor
Customer Reference	EE(Project)YNK Zone/WO/14/2022-23
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Date of receipt	22.08.2023
Sample Type	CC Drain wall Concrete
Sample Type/ Size	150x150x150 mm
Sample Grade / Age	M20/ 7 Days Compressive Strength
Date of Test	18.09.2023
Location	

Sl NO.	Identification Mark	Grade of Concrete	Date of casting	Date of Testing	Dimenssion of Specification mm	Cross sectional Area Sq. mm	Maximum Load in KN	Compressive Strength N/mm²	Average Compressive Strength N/mm²
1	CC Drain Raft Concrete	M20	21.08.2023	18.09.2023	150x150x150	22500	500.7	22.25	22.35
2	CC Drain Raft Concrete	M20	21.08.2023	18.09.2023	150x150x150	22500	503.2	22.36	
3	CC Drain Raft Concrete	M20	21.08.2023	18.09.2023	150x150x150	22500	504.9	22.44	

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Test Report of Cement Concrete Cubes

IS: 516-1959 (Method of tests for strength of Concrete) — Date :28/08/2023

Name of Work : Package No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other development works to ISRO layout park , Vishweshwarayya park, Raj kumar park , Sri Saibaba park Yelahanka assembly Constituency under Amrutha Nagarothana Grants

Client	Assistant Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore.
Contractor	Sri B B Umesha Contractor
Customer Reference	EE(Project)YNK Zone/WO/14/2022-23
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Date of receipt	22.08.2023
Sample Type	CC Drain Wall Concrete
Sample Type/ Size	150x150x150 mm
Sample Grade / Age	M20/ 7 Days Compressive Strength
Date of Test	28.08.2023
Location	

Sl NO.	Identification Mark	Grade of Concrete	Date of casting	Date of Testing	Dimenssion of Specification mm	Cross sectional Area Sq. mm	Maximum Load in KN	Compressive Strength N/mm²	Average Compressive Strength N/mm²
1	CC Drain Raft Concrete	M20	21.08.2023	28.08.2023	150x150x150	22500	336.9	14.97	14.98
2	CC Drain Raft Concrete	M20	21.08.2023	28.08.2023	150x150x150	22500	335.1	14.89	
3	CC Drain Raft Concrete	M20	21.08.2023	28.08.2023	150x150x150	22500	339.3	15.08	

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ಯೋಜನಾ ವಿಭಾಗ, ಯಲಹಂಕ ವಲಯ
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Test Report of Cement Concrete Cubes

IS: 516-1959 (Method of tests for strength of Concrete) | Date :16/09/2023

Name of Work : Package No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other development works to ISRO layout park , Vishweshwarayya park, Raj kumar park , Sri Saibaba park Yelahanka assembly Constituency under Amrutha Nagarothana Grants

Client	Assistant Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore.
Contractor	Sri B B Umesha Contractor
Customer Reference	EE(Project)YNK Zone/WO/14/2022-23
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Date of receipt	20.08.2023
Sample Type	CC Drain Raft Concrete
Sample Type/ Size	150x150x150 mm
Sample Grade /Age	M20/ 7 Days Compressive Strength
Date of Test	16.09.2023
Location	

Sl NO.	Identification Mark	Grade of Concrete	Date of casting	Date of Testing	Dimenssion of Specification mm	Cross sectional Area Sq. mm	Maximum Load in KN	Compressive Strength N/mm²	Average Compressive Strength N/mm²
1	CC Drain Raft Concrete	M20	19.08.2023	16.09.2023	150x150x150	22500	509.1	22.63	22.66
2	CC Drain Raft Concrete	M20	19.08.2023	16.09.2023	150x150x150	22500	507.6	22.56	
3	CC Drain Raft Concrete	M20	19.08.2023	16.09.2023	150x150x150	22500	513.1	22.80	

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Test Report of Cement Concrete Cubes

IS: 516-1959 (Method of tests for strength of Concrete) | Date :26/08/2023

Name of Work : Package No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other development works to ISRO layout park , Vishweshwarayya park, Raj kumar park , Sri Saibaba park Yelahanka assembly Constituency under Amrutha Nagarothana Grants

Client	Assistant Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore.
Contractor	Sri B B Umesha Contractor
Customer Reference	EE(Project)YNK Zone/WO/14/2022-23
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Date of receipt	20.08.2023
Sample Type	CC Drain Raft Concrete
Sample Type/ Size	150x150x150 mm
Sample Grade / Age	M20/ 7 Days Compressive Strength
Date of Test	26.08.2023
Location	

Sl NO.	Identification Mark	Grade of Concrete	Date of casting	Date of Testing	Dimenssion of Specification mm	Cross sectional Area Sq. mm	Maximum Load in KN	Compressive Strength N/mm²	Average Compressive Strength N/mm²
1	CC Drain Raft Concrete	M20	19.08.2023	26.08.2023	150x150x150	22500	338.3	15.04	15.13
2	CC Drain Raft Concrete	M20	19.08.2023	26.08.2023	150x150x150	22500	339.1	15.07	
3	CC Drain Raft Concrete	M20	19.08.2023	26.08.2023	150x150x150	22500	343.7	15.28	

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Test Report of Cement Concrete Cubes

IS: 516-1959 (Method of tests for strength of Concrete) | Date :16/09/2023

Name of Work : Package No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other development works to ISRO layout park , Vishweshwarayya park, Raj kumar park , Sri Saibaba park Yelahanka assembly Constituency under Amrutha Nagarothana Grants

Client	Assistant Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore.
Contractor	Sri B B Umesha Contractor
Customer Reference	EE(Project)YNK Zone/WO/14/2022-23
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Date of receipt	20.08.2023
Sample Type	CC Drain Raft Concrete
Sample Type/ Size	150x150x150 mm
Sample Grade / Age	M20/ 7 Days Compressive Strength
Date of Test	16.09.2023
Location	

Sl NO.	Identification Mark	Grade of Concrete	Date of casting	Date of Testing	Dimenssion of Specification mm	Cross sectional Area Sq. mm	Maximum Load in KN	Compressive Strength N/mm²	Average Compressive Strength N/mm²
1	CC Drain Raft Concrete	M20	19.08.2023	16.09.2023	150x150x150	22500	504.3	22.41	22.51
2	CC Drain Raft Concrete	M20	19.08.2023	16.09.2023	150x150x150	22500	506.7	22.52	
3	CC Drain Raft Concrete	M20	19.08.2023	16.09.2023	150x150x150	22500	508.1	22.58	

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Test Report of Cement Concrete Cubes

IS: 516-1959 (Method of tests for strength of Concrete) | Date :26/08/2023

Name of Work : Package No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other development works to ISRO layout park , Vishweshwarayya park, Raj kumar park , Sri Saibaba park Yelahanka assembly Constituency under Amrutha Nagarothana Grants

Client	Assistant Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore.
Contractor	Sri B B Umesha Contractor
Customer Reference	EE(Project)YNK Zone/WO/14/2022-23
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Date of receipt	20.08.2023
Sample Type	CC Drain Raft Concrete
Sample Type/ Size	150x150x150 mm
Sample Grade / Age	M20/ 7 Days Compressive Strength
Date of Test	26.08.2023
Location	

Sl NO.	Identification Mark	Grade of Concrete	Date of casting	Date of Testing	Dimenssion of Specification mm	Cross sectional Area Sq. mm	Maximum Load in KN	Compressive Strength N/mm²	Average Compressive Strength N/mm²
1	CC Drain Raft Concrete	M20	19.08.2023	26.08.2023	150x150x150	22500	339.5	15.09	15.24
2	CC Drain Raft Concrete	M20	19.08.2023	26.08.2023	150x150x150	22500	341.1	15.16	
3	CC Drain Raft Concrete	M20	19.08.2023	26.08.2023	150x150x150	22500	348.3	15.48	

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Test Report of Cement Concrete Cubes

IS: 516-1959 (Method of tests for strength of Concrete) | Date :23/09/2023

Name of Work : Package No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other development works to ISRO layout park , Vishweshwarayya park, Raj kumar park , Sri Saibaba park Yelahanka assembly Constituency under Amrutha Nagarothana Grants

Client	Assistant Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore.
Contractor	Sri B B Umesha Contractor
Customer Referenc	EE(Project)YNK Zone/WO/14/2022-23
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Date of receipt	16-09-2023
Sample Type	For top area and side wall
Sample Type/ Size	70.06X70.06X70.06 mm
Sample Grade / Age	7 Days Compressive Strength
Date of Test	23-09-2023
Location	
Grade of Mortar	1:6 Cement Mortar Cube

Cube No..	Weight of cube (g)	Cube Volume (cc)	Density of Cube (g/cc)	Cross sectional Area	Maximum Load in	Compressive Strength	Average Compressive Strength
	A	B	C = (A/B)	Sq. mm	KN	N/mm²	N/mm²
1	910	352	2.58	4.9	173.0	35.31	35.37
2	885	352	2.51	4.9	168.0	34.29	
3	876	352	2.48	4.9	179.0	36.53	

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ಯೋಜನಾ ವಿಭಾಗ, ಯಲಹಂಕ ವಲಯ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬ್ಯಾಟರಾಯನಪುರ,
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Client	Assistant Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore.
Contractor	Sri B B Umesha Contractor
Customer Referenc	EE(Project)YNK Zone/WO/14/2022-23
Source of Sample	Sample supplied by Agency
Sample Condition	Satisfactory
Date of receipt	16-09-2023
Sample Type	SSM Wall
Sample Type/ Size	70.06X70.06X70.06 mm
Sample Grade / Age	7 Days Compressive Strength
Date of Test	23-09-2023
Location	
Grade of Mortar	1:6 Cement Mortar Cube

Cube No..	Weight of cube (g)	Cube Volume (cc)	Density of Cube (g/cc)	Cross sectional Area	Maximum Load in	Compressive Strength	Average Compressive Strength
	A	B	C = (A/B)	Sq. mm	KN	N/mm²	N/mm²
1	930	352	2.64	4.9	190.0	38.78	39.73
2	935	352	2.66	4.9	196.0	40.00	
3	938	352	2.66	4.9	198.0	40.41	

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TEST REPORT OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : **Assistant Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore.**

Agency : **Sri B B Umesha Contractor, Bangalore.**

Name of Work : "Package No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other development works to ISRO layout park , Vishweshwarayya park, Raj kumar park , Sri Saibaba park Yelahanka assembly Constituency under Amrutha

Steel Dia/Length : 10mm " Fe500 TMT Bars"

Reference to BIS codes : IS 1786:2008(RA 2013) High Strength Deformed Steel Bars and Wires for Concrete Reinforcement-Specification

: IS 1608:2005 Metallic Materials- Tensile Testing at Ambient Temperature

Date of test 07.08.2023

S.No	Brand	Nominal size (dia in mm)	Mass per meter (kg/meter)	TENSILE STRENGTH			
				0.20 % proof stress/ yield stress (N/mm^2)	Tensile strength (N/mm^2)	TS/YS ratio	Elongation, percent on gauge length
1	TMT	10	0.619	546	639	1.17	14.5

Note:

1. The report shall not be reproduced, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

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